

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20030094094"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 17:18
L2	226	(84/731).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 17:18
L3	847	(84/411R).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 17:19
L4	8	(1 or 2 or 3) and (sens\$3 or transducer or pick\$3 or transmit\$4) near5 (vibrat\$3 or soundboard or sound adj board or soundbox or sound adj box or body or top) with (removabl\$1 or Detachabl\$1 or clip\$4 or clamp\$4 or horse near3 shoe or Releasabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 17:27
S1	1181	(84/723,104,178,296,600).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:05
S2	55491	(sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3 or measur\$5 or receiv\$3 or convert\$3) near5 (vibrat\$3 or piezoelectric or pressure or force or stress) near5 electric\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:29
S3	630	S2 and (string\$3 near5 vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/23 15:43

## EAST Search History

S5	56721	"84"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/23 15:42
S6	55491	(sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3 or measur\$5 or receiv\$3 or convert\$3) near5 (vibrat\$3 or piezoelectric or pressure or force or stress) near5 electric\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/23 15:43
S7	630	S6 and (string\$3 near5 vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/23 15:43
S8	415	S5 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/23 15:45
S9	234	S8 and (vibrat\$3 or stress or pressure or force or shak\$3) near5 electric\$2 near4 signal\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/23 15:47
S10	68	S9 and (string\$1 same fingerboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 09:27
S11	55491	(sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3 or measur\$5 or receiv\$3 or convert\$3) near5 (vibrat\$3 or piezoelectric or pressure or force or stress) near5 electric\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 09:27
S12	630	S11 and (string\$3 near5 vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 09:27

## EAST Search History

S13	108	S12 and (string\$1 same fingerboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:04
S14	0	piezoelectric with vibrat\$3 with electric same blastomeric same buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 09:51
S15	0	piezoelectric with vibrat\$3 with electric same blastomeric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 09:52
S16	15	piezoelectric with vibrat\$3 with electric same buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 09:54
S17	9	S13 and piezoelectric with vibrat\$3 with electric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:01
S18	35	S12 and piezoelectric with vibrat\$3 with electric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:14
S19	1	(string\$3 near4 instrument\$1 or guitar or violin) and (piezoelectric or pressure) with vibrat\$3 with electric same vibrat\$3 with (top adj shell or sound near3 board or main adj body)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:17
S20	8	(string\$3 near4 instrument\$1 or guitar or violin) and (piezoelectric or pressure) with vibrat\$3 with electric and vibrat\$3 with (top adj shell or sound near3 board or main adj body)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:41

## EAST Search History

S21	2	"6822156".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:22
S22	38	(string\$3 near4 instrument\$1 or guitar or violin) and (piezoelectric or pressure or pickup or sensor\$1) with vibrat\$3 with electric and vibrat\$3 with (top adj shell or sound near3 board or main adj body or soundboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:42
S23	45	(string\$3 near4 instrument\$1 or guitar or violin) and (piezoelectric or pressure or pickup or sens\$3 or transducer) with vibrat\$3 with electric and vibrat\$3 with (top adj shell or sound near3 board or main adj body or soundboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:03
S24	679	84/291.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:06
S25	4	S24 and vibrat\$3 with electric and vibrat\$3 with (top adj shell or sound near3 board or main adj body or soundboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 10:57
S26	2	"6861581".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:02
S27	16371	vibrat\$3 adj (member or plate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:02
S28	1114	S27 and (piezoelectric or pressure or pickup or sens\$3 or transducer or force) with vibrat\$3 with electric	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:03

## EAST Search History

S29	5	S28 and (string\$1 same fingerboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 11:04
S30	2	"20030131721".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 14:15
S31	1	pressure near3 contact\$3 near5 soundboard	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 14:17
S32	27	(piezoelectric or pickup or sens\$3 or transducer\$1) near5 soundboard with (pressure or force or stress or vibrat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 14:31
S33	2	"5031501".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 14:29
S34	33	(piezoelectric or pickup or sens\$3 or transducer\$1) near5 (pressure or force or stress or vibrat\$3) same (string\$2 same fingerboard)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 14:41
S35	2	"4649793".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 15:08
S36	2	"4535668".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/24 14:41

## EAST Search History

S37	135	84/36,730.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:06
S38	55510	(sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3 or measur\$5 or receiv\$3 or convert\$3) near5 (vibrat\$3 or piezoelectric or pressure or force or stress) near5 electric\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 08:44
S39	40	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/27 08:46
S40	1311	(84/723,104,178,296,600).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:05
S41	696	84/291.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:06
S42	148	84/36,730.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/02 17:06
S43	304	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3) near5 (vibrat\$3 near4 plate or soundboard or sound adj board or soundbox or sound adj box)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/02 18:01

## EAST Search History

S44	218	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3) near5 (vibrat\$3 near4 plate or soundboard or sound adj board or soundbox or sound adj box or bridge or saddle) with (removabl\$1 or Detachabl\$1 or clip\$4 or clamp\$4 or attach\$5 or hook\$3 or adjustable or horse near3 shoe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:22
S45	78	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3) near5 (vibrat\$3 near4 plate or soundboard or sound adj board or soundbox or sound adj box or bridge or saddle) with (removabl\$1 or Detachabl\$1 or clip\$4 or clamp\$4 or hook\$3 or adjustable or horse near3 shoe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/05 09:31
S46	43	(earlywood or (annual near4 ring near5 (wood or tree))) with (groove or grain or Engrav\$3 or carv\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/05 09:34
S47	109	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3) near5 (vibrat\$3 near4 plate or soundboard or sound adj board or soundbox or sound adj box or bridge or saddle or body) with (removabl\$1 or Detachabl\$1 or clip\$4 or clamp\$4 or hook\$3 or horse near3 shoe)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:53
S48	0	("7084341").URPN.	USPAT	OR	OFF	2007/02/08 10:59
S49	17	("2486264"   "4534259"   "4785704"   "4805510"   "4951541"   "5191159"   "5229537"   "5415070"   "5614688"   "5945622"   "6018120"   "6239349"   "6268555"   "6278059"   "6288320"   "6429367").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 10:59
S50	3	("5422955").URPN.	USPAT	OR	OFF	2007/02/08 12:13

## EAST Search History

S51	14	("3085460"   "3781451"   "3869952"   "3901118"   "3934201"   "4099437"   "4186641"   "4344184"   "4501186"   "4748886"   "5007324"   "5010803"   "5025704").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 12:14
S52	6	("5010803").URPN.	USPAT	OR	OFF	2007/02/08 12:16
S53	95	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4) near5 (vibrat\$3 near4 plate or soundboard or sound adj board or soundbox or sound adj box or body or top) with (removabl\$1 or Detachabl\$1 or clip\$4 or clamp\$4 or horse near3 shoe or Releasabl\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 17:25
S54	0	("6274801").URPN.	USPAT	OR	OFF	2007/02/08 13:13
S55	7	("3538232"   "3624264"   "3733425"   "4168647"   "4501186"   "4607559").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 13:13
S56	1	S53 and vibrat\$3 near4 transmit\$3 with magnet\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:36
S57	1803	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4) near5 (vibrat\$3 near4 plate or soundboard or sound adj board or soundbox or sound adj box or body or top)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:45
S58	7	S57 and vibrat\$3 near4 transmit\$3 with magnet\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:37
S59	7	("4989491").URPN.	USPAT	OR	OFF	2007/02/08 14:44
S60	13	(stringed near4 instrument or guitar or violin) and vibrat\$3 near4 transmit\$3 with magnet\$6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 14:46



## EAST Search History

S61	11234	c adj clamp\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:53
S62	10	(stringed near4 instrument or guitar or violin) and (sens\$3 or transducer or pick\$3 or transmit\$4 or detect\$3) and S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:55